

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Olivier J.A. Schueller et al.  
Serial No.: 10/824,331  
Confirmation No.: 5408  
Filed: April 14, 2004  
For: OPTICAL MODULATOR/DETECTOR BASED ON  
RECONFIGURABLE DIFFRACTION GRATING  
Examiner: C. A. Simone  
Art Unit: 1794

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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.8(a)(4).

Dated: May 21, 2009

Signature: *Danielle Calder*

**AMENDMENT IN RESPONSE TO FINAL OFFICE ACTION**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Madam:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated January 5, 2009, finally rejecting claims 52, 54-56, 62 and 63, please amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 4 of this paper.